

## CONTROL SYSTEM FOR DOOR OPENER

### Abstract

A control system for switching an electric operation to a manual operation of a door opener comprises: a housing 11, including a power unit 12 driving a shaft 120 electrically and transmitting the power to an output shaft 16; a braking device 13, used for braking the shaft 120 and releasing the shaft 120; a pull-chain disk device 15 allowed for exerting an external force via a pull chain 152 to rotate the shaft 120; a clutch device 18, disposed between the shaft 120 and the pull-chain disk device 15, used for unidirectionally rotating the shaft 120 controllably when the pull-chain disk device is rotated by the external force; a protective device 17 used for cutting off a circuit of a door opener 10' in an abnormal mode; and a driven disk 158 interlocked with the clutch device 18 so as to swing by an angle for actuating the protective device 17 to switch. As such, the circuit of the door opener 10' is cut off and the brake is released jointly to automatically switch to a safe manual mode in any situation, once the pull chain 152 is pulled.